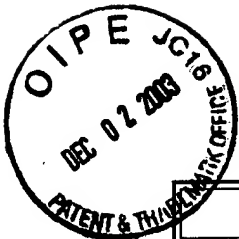


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 51547
Application ID: 09739391
Title of Invention: PARTICLE BEAM BIAxIAL
ORIENTATION OF A SUBSTRATE
FOR EPITAXIAL CRYSTAL
GROWTH
First Named Inventor: Ronald Reade
Domestic/Foreign Application: Domestic Application
Filing Date: 2002-12-15
Effective Receipt Date: 2003-12-02
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 2586
Attorney Docket Number: IB-1632
Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 71137
Deposit Account Name: John P. O'Banion
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2003-12-02
RAM Sequence Number: 9



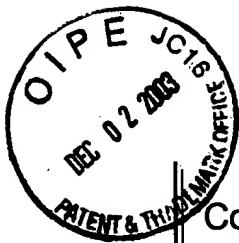
Digital Certificate Holder: cn=John P. Obanion,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: dd7ddb55190c2a177df60310d423695aee5a97f2

**TRANSMITTAL**

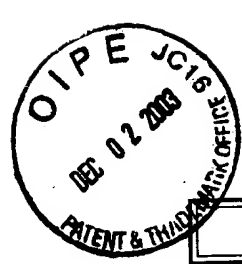
Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	PARTICLE BEAM BIAxIAL ORIENTATION OF A SUBSTRATE FOR EPITAXIAL CRYSTAL GROWTH															
Application Number: 09/739391 Date: 2002-12-15 First Named Applicant: Ronald P. Reade																
Confirmation Number: 2586 Attorney Docket Number: IB-1632																
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>																
Submitted by:	Elec. Sign.	Sign. Capacity														
John P. O'Banion Registered Number: 33201	/JPO/	Agent														
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>IB1632-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>IB1632-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-fee-sheet	IB1632-usfees.xml		us-fee-sheet.xsl		us-fee-sheet.dtd	us-ids	IB1632-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files															
us-fee-sheet	IB1632-usfees.xml															
	us-fee-sheet.xsl															
	us-fee-sheet.dtd															
us-ids	IB1632-usidst.xml															
	us-ids.dtd															
	us-ids.xsl															



Comments



FEE TRANSMITTAL

Electronic Version v08
Stylesheet Version v08.0

Title of Invention	PARTICLE BEAM BIAxIAL ORIENTATION OF A SUBSTRATE FOR EPITAXIAL CRYSTAL GROWTH								
Application Number: 09/739391 Date: 2002-12-15 First Named Applicant: Ronald P. Reade Attorney Docket Number: IB-1632 Art Unit: 1765 Examiner: Robert M. Kunemund									
TOTAL FEE AUTHORIZED \$180 Patent fees are subject to annual revisions on or about October 1st of each year.									
BASIC FILING FEE									
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>		Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$						
Submission Of Information Disclosure Stmt Fee	1806	180	180						
AUTHORIZED BILLING INFORMATION The commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit account number: 071137 Access Code ***** Deposit name: O'Banion and Ritchey LLP Deposit authorized name: John P. O'Banion Signature: /JPO/ Date (YYYYMMDD): 2003-12-02									

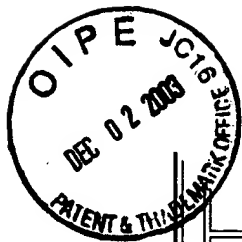


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	PARTICLE BEAM BIAxIAL ORIENTATION OF A SUBSTRATE FOR EPITAXIAL CRYSTAL GROWTH																																																																																								
<p>Application Number: 09/739391</p> <p>Confirmation Number: 2586</p> <p>First Named Applicant: Ronald Reade</p> <p>Attorney Docket Number: IB-1632</p> <p>Art Unit: 1765</p> <p>Examiner: Robert M. Kunemund</p> <p>Search string: (6258472 or 6190752 or 6498549 or 6537689 or 5246741 or 4776925 or 5607781 or 5601654 or 6033471 or 5372089 or 20020017235 or 20020041973 or 20010006042).pn.</p>																																																																																									
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>6258472</td><td>2001-07-10</td><td>Neumuller</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>2</td><td>6190752</td><td>2001-02-20</td><td>Do et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>3</td><td>6498549</td><td>2002-12-24</td><td>Jiang et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>4</td><td>6537689</td><td>2003-03-25</td><td>Schoop et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>5</td><td>5246741</td><td>1993-09-21</td><td>Ouhata et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>6</td><td>4776925</td><td>1988-10-11</td><td>Fossum et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>7</td><td>5607781</td><td>1997-03-04</td><td>Okuno et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>8</td><td>5601654</td><td>1997-02-11</td><td>Springer</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>9</td><td>6033471</td><td>2000-03-07</td><td>Nakanishi et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>10</td><td>5372089</td><td>1994-12-13</td><td>Yoshida et al.</td><td>B1</td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	6258472	2001-07-10	Neumuller	B1				2	6190752	2001-02-20	Do et al.	B1				3	6498549	2002-12-24	Jiang et al.	B1				4	6537689	2003-03-25	Schoop et al.	B2				5	5246741	1993-09-21	Ouhata et al.	B1				6	4776925	1988-10-11	Fossum et al.	B1				7	5607781	1997-03-04	Okuno et al.	B1				8	5601654	1997-02-11	Springer	B1				9	6033471	2000-03-07	Nakanishi et al.	B1				10	5372089	1994-12-13	Yoshida et al.	B1		
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																		
	1	6258472	2001-07-10	Neumuller	B1																																																																																				
	2	6190752	2001-02-20	Do et al.	B1																																																																																				
	3	6498549	2002-12-24	Jiang et al.	B1																																																																																				
	4	6537689	2003-03-25	Schoop et al.	B2																																																																																				
	5	5246741	1993-09-21	Ouhata et al.	B1																																																																																				
	6	4776925	1988-10-11	Fossum et al.	B1																																																																																				
	7	5607781	1997-03-04	Okuno et al.	B1																																																																																				
	8	5601654	1997-02-11	Springer	B1																																																																																				
	9	6033471	2000-03-07	Nakanishi et al.	B1																																																																																				
	10	5372089	1994-12-13	Yoshida et al.	B1																																																																																				
<h3>US Published Applications</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Pub. No.</th><th>Date</th><th>Applicant</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass																																																																																
init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass																																																																																		



	1	20020017235	2002-02-14	Nagasaka et al.	A1
	2	20020041973	2002-04-11	Belouet	A1
	3	20010006042	2001-07-05	Iijima et al.	A1

Signature

Examiner Name	Date